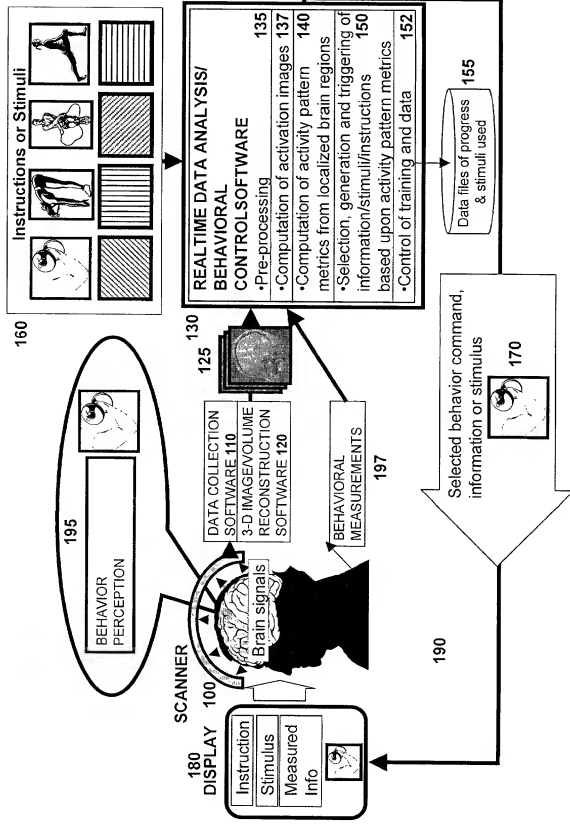


FIGURE 1





## FIGURE 3

Alzheimer's Disease	Chronic Pain	Lateral Medullary	Obesity	Spinal Cord Injury
Anyotrophic Lateral Sclerosis	Chronic Regional Pain Syndrome	Syndrome	Occipital Neuralgia	Spinal Cord Tumors
Anxiety Disorders	Cns Trauma	Learning Disabilities	Overuse Syndrome	Stroke
Aphasia	Cushing's Syndrome	Leigh's Disease	Pain - Chronic	Sturge-Weber Syndrome
Asperger Syndrome	Dandy-Walker	Lewy Body Dementia	Paresthesia	Tardive Dyskinesia
Attention Deficit-Hyperactivity Disorder	Syndrome	Lissencephaly	Parkinson's Disease	Tay-Sachs Disease
Autism	Dementia - Multi-Infant	Locked-In Syndrome	Parkinson's Disease	Temporal Arteritis
Autonomic	Dementia With Lewy Bodies	Lou Gehrig's Disease	Parmyotonia	Tic Douloureux
Dysfunction	Depression	Lupus - Neurological Sequelae	Congenita	Tourette Syndrome
Back Pain	Diabetes	Lyme Disease - Neurological Sequelae	Parry Romberg	Traumatic Brain Injury
Bell's Palsy	Diabetic Neuropathy	Meningitis	Peripheral Neuropathy	Tremor
Bipolar Disorder	Diffuse Sclerosis	Migraine	Pervasive	Trigeminal Neuralgia
Brain and Spinal Tumors	Dysgraphia	Mini-Strokes	Developmental Disorders	Wallenberg's Syndrome
Brain Aneurysm	Dystonia	Motor Neuron Diseases	Pick's Disease	Zellweger Syndrome
Brain Injury	Encephalitis and Meningitis	Multiple Sclerosis	Pituitary Tumors	
Carpal Tunnel Syndrome	Epilepsy	Muscular Dystrophy (MD)	Postherpetic Neuralgia	
Causalgia	Friedreich's Ataxia	Myasthenia Gravis	Repetitive Motion Disorders	
Central Pain Syndrome	Gaucher's Disease	Myoclonus	Repetitive Stress Injuries	
Cerebral Aneurysm	Guillain-Barre Syndrome	Myopathy	Restless Legs Syndrome	
Cerebral	Head Injury	Myotonia Congenita	Rett Syndrome	
Cerebral Palsy	Headache	Narcolepsy	Schizophrenia	
Charcot-Marie-Tooth Disorder	Hepes Zoster	Neurofibromatosis	Seizure Disorder	
Chiari Malformation	Huntington's Disease	Neurological Manifestations of AIDS	Shingles	
Chorea	Hydrocephalus	Neuronal Migration Disorders	Sleep Apnea	
	Landau-Kleffner Syndrome	Niemann-Pick Disease	Sleep Disorders	
			Spasticity	
			Spina Bifida	

FIGURE 4

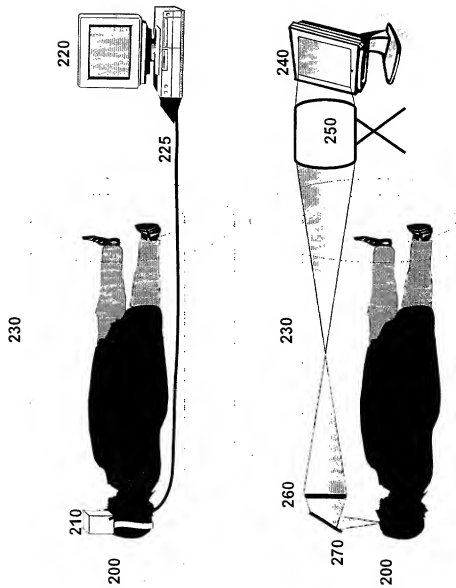


FIGURE 5

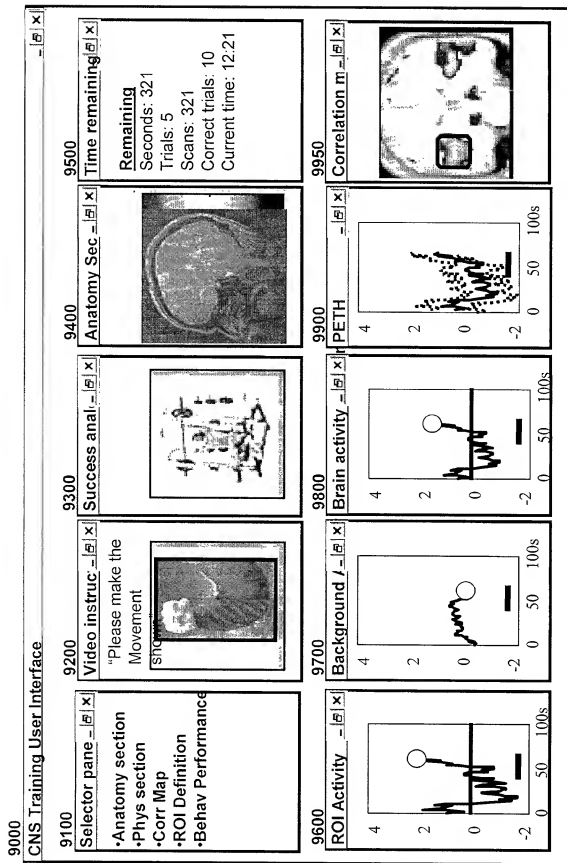
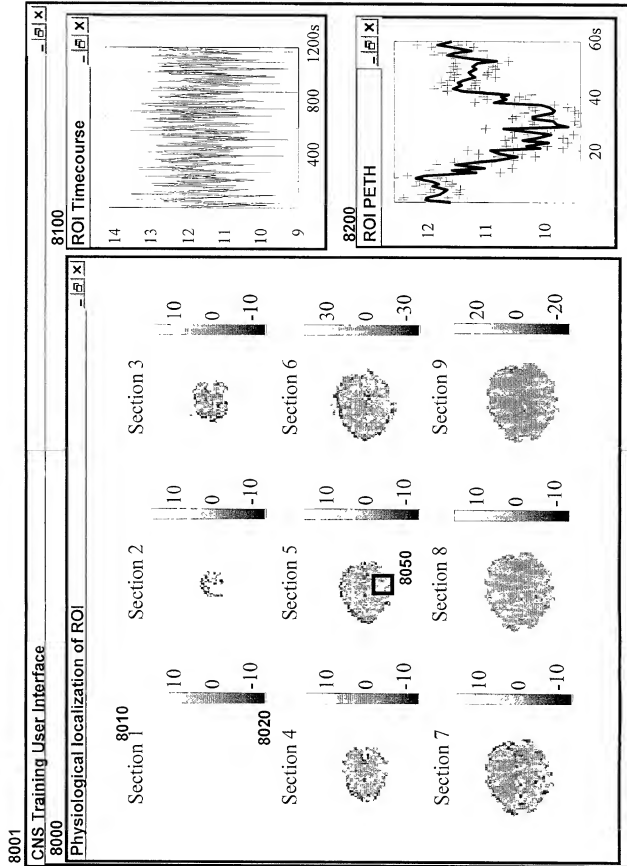


FIGURE 6



## FIGURE 7

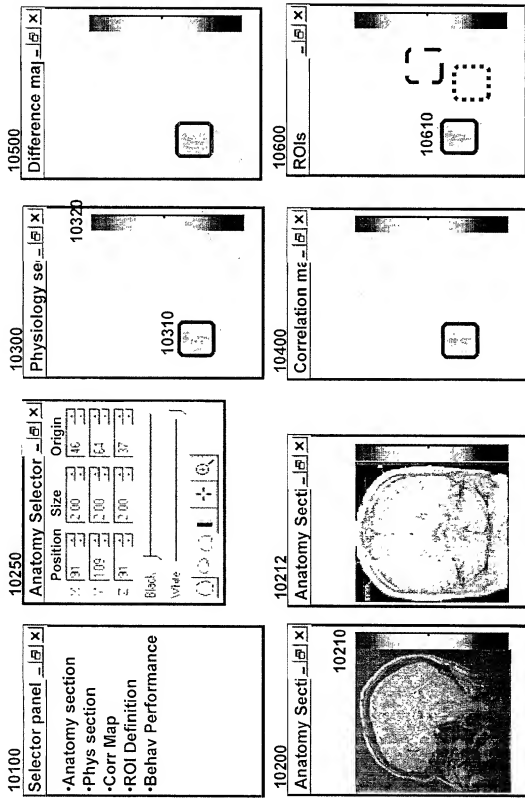


FIGURE 8

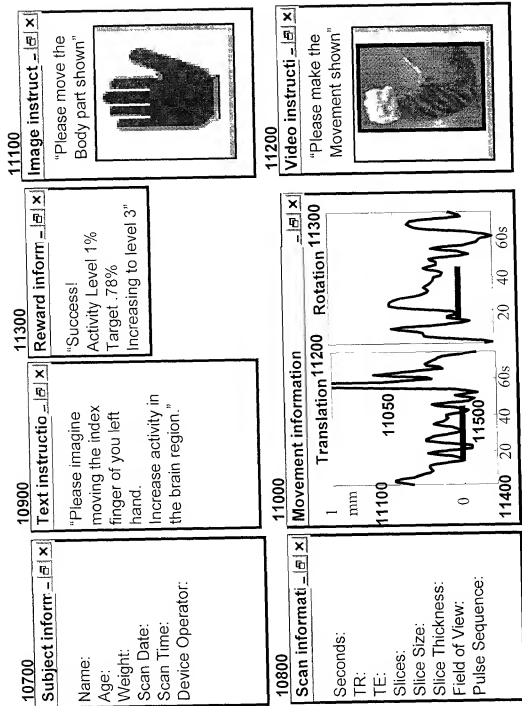




FIGURE 9

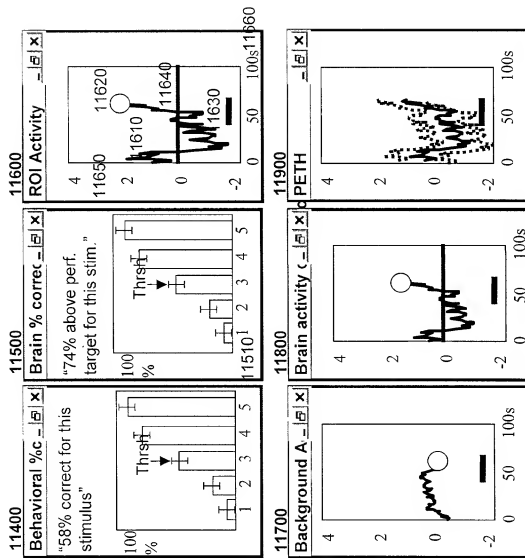


FIGURE 10

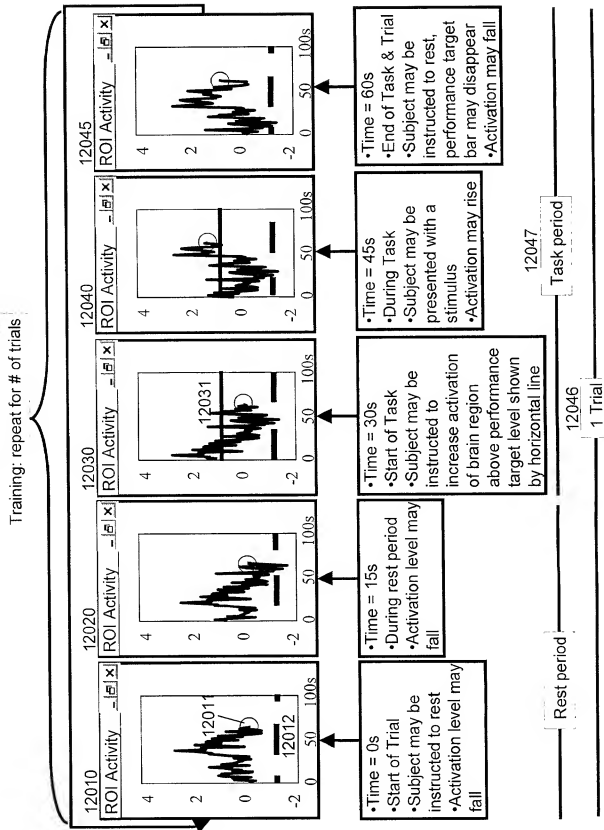




FIGURE 12

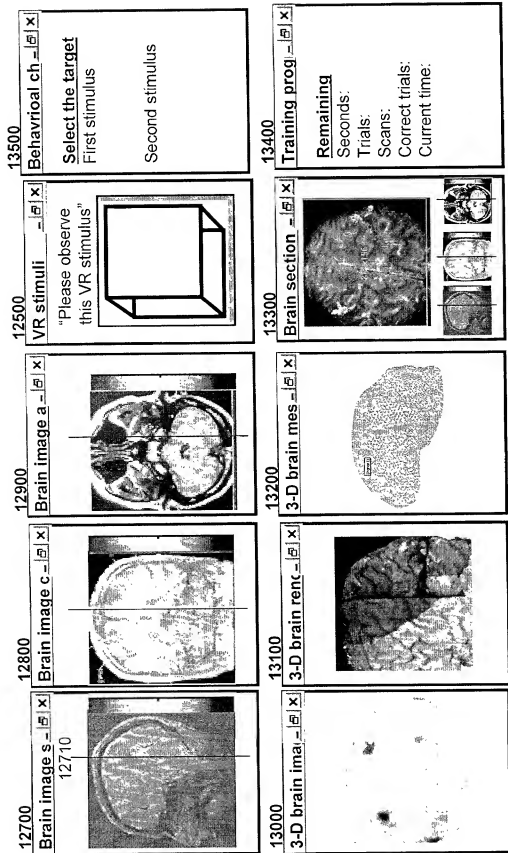


FIGURE 13

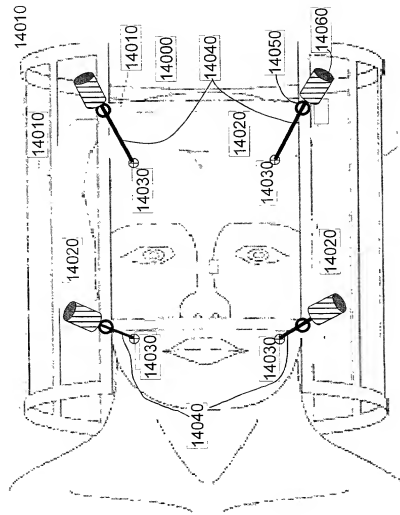


FIGURE 14

Region	Coords.	Condition	Neuro-modulator
subthalamic nucleus	X=+10 Y=-13 Z=-4	PD	-
substantia nigra	X=+10 Y=-17 Z=-8	PD, Schz	DA
thalamic nucleus VA ventro anterior	X=+10 Y=-5 Z=8	PD	-
nucleus accumbens	X=+10 Y=7 Z=-8	SA, Rew, Schz	DA
thalamic nucleus VL ventrolateral	X=+14 Y=-11 Z=8	PD	-
globus pallidus internus	X=+15 Y=-2 Z=-4	PD	-
pulvinar nucleus	X=+15 Y=-27 Z=4	ADD	-
thalamic nucleus VP	X=+17 Y=17 Z=9	Pain	-
locus coeruleus	X=+2 Y=-31 Z=-14	ADD, SA, Rew	NA
globus pallidus externus	X=+20 Y=-2 Z=-4	PD	-
amygdala	X=+22 Y=-5 Z=-12	Pain	-
medial frontal lobe	X=+3 Y=14 Z=40	Pain	-
periaqueductal gray matter	X=0 Y=-26 Z=-12	Pain	-
raphe dorsalis	X=+2 Y=-30 Z=-12	Pain	opiates
nucleus basalis of Meynert	X=+4 Y=1 Z=-12	AD, learning & plasticity	5-HT
dorsolateral pre-frontal cortex	X=+28 Y=34 Z=35	Dep	Ach
anterior pre-frontal cortex	X=+17 Y=64 Z=16	Dep	-
rostral ventromedial medulla	X=2 Y=-28 Z=-28	Pain	opiates
nucleus raphe magnus	X=2 Y=-30 Z=-28	Pain	5-HT, opiate
thalamic nucleus Vim ventrointeromedial	X=+7 Y=-12 Z=4	PD	-
Brodman's areas 4	X=+48 Y=-15 Z=40	Motor impairments	-
Brodman's areas 6	X=59 Y=-9 Z=40	Motor impairments	-
PD - Parkinson's disease; AD - Alzheimer's disease, ADD - attention & attention deficit/attention deficit/hyperactivity disorder, Dep - depression/mood/affect, SA - substance abuse & addiction, Schz - schizophrenia, Rew - reward DA - dopamine, 5-HT - serotonin, Ach - acetylcholine, NA - noradrenaline			